EL977166540US

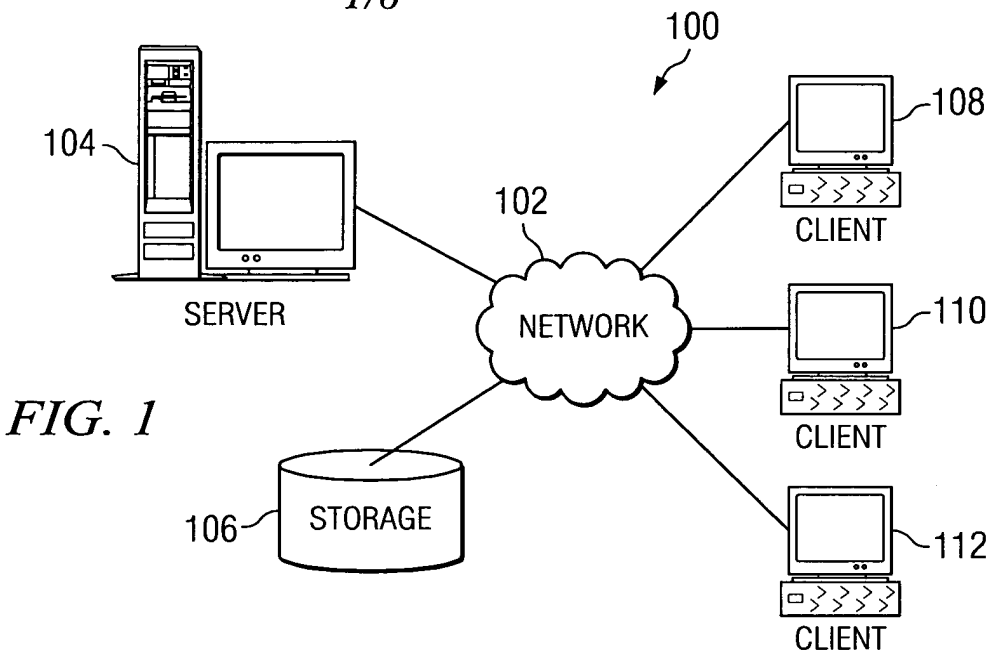


FIG. 1

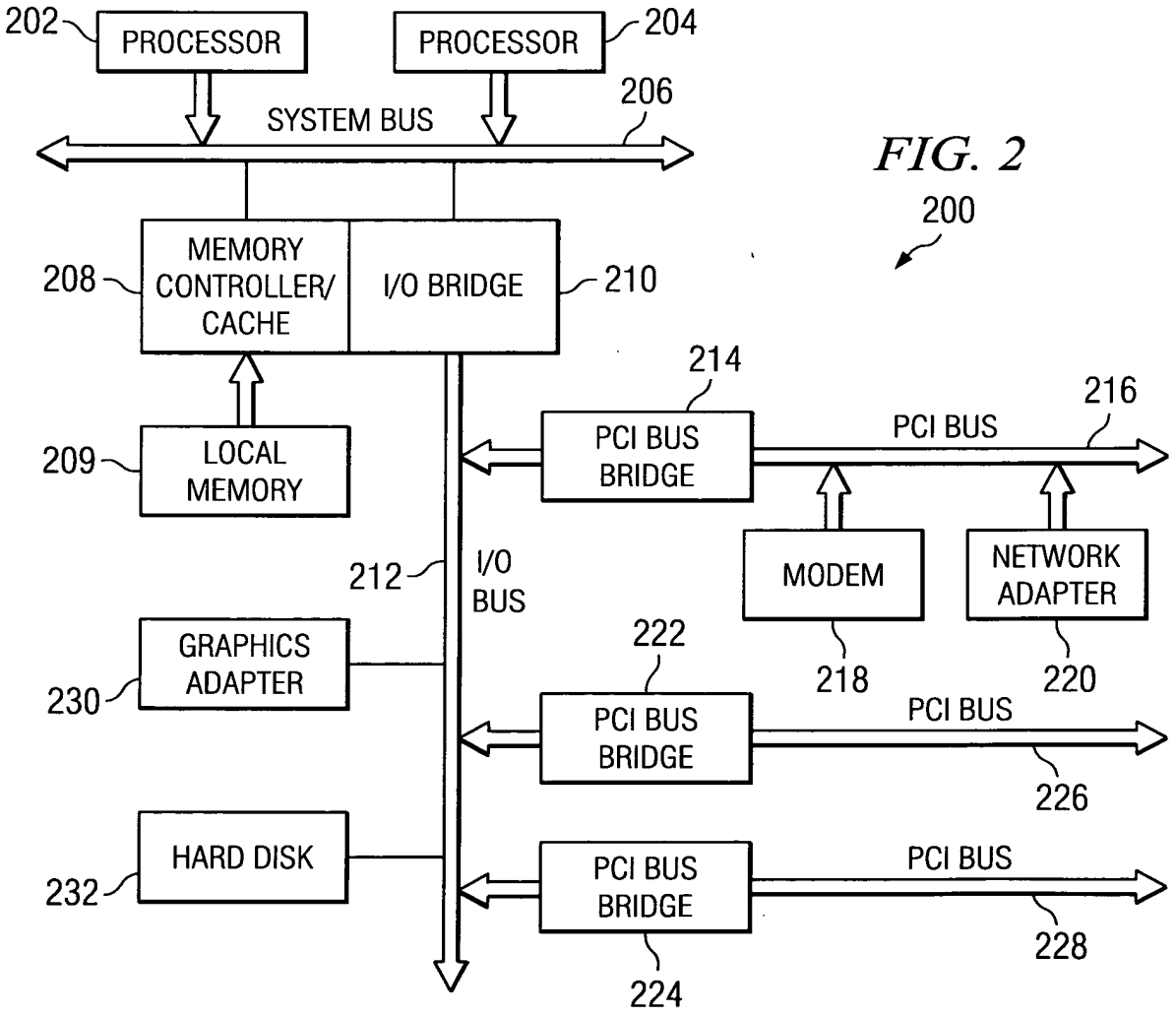


FIG. 2

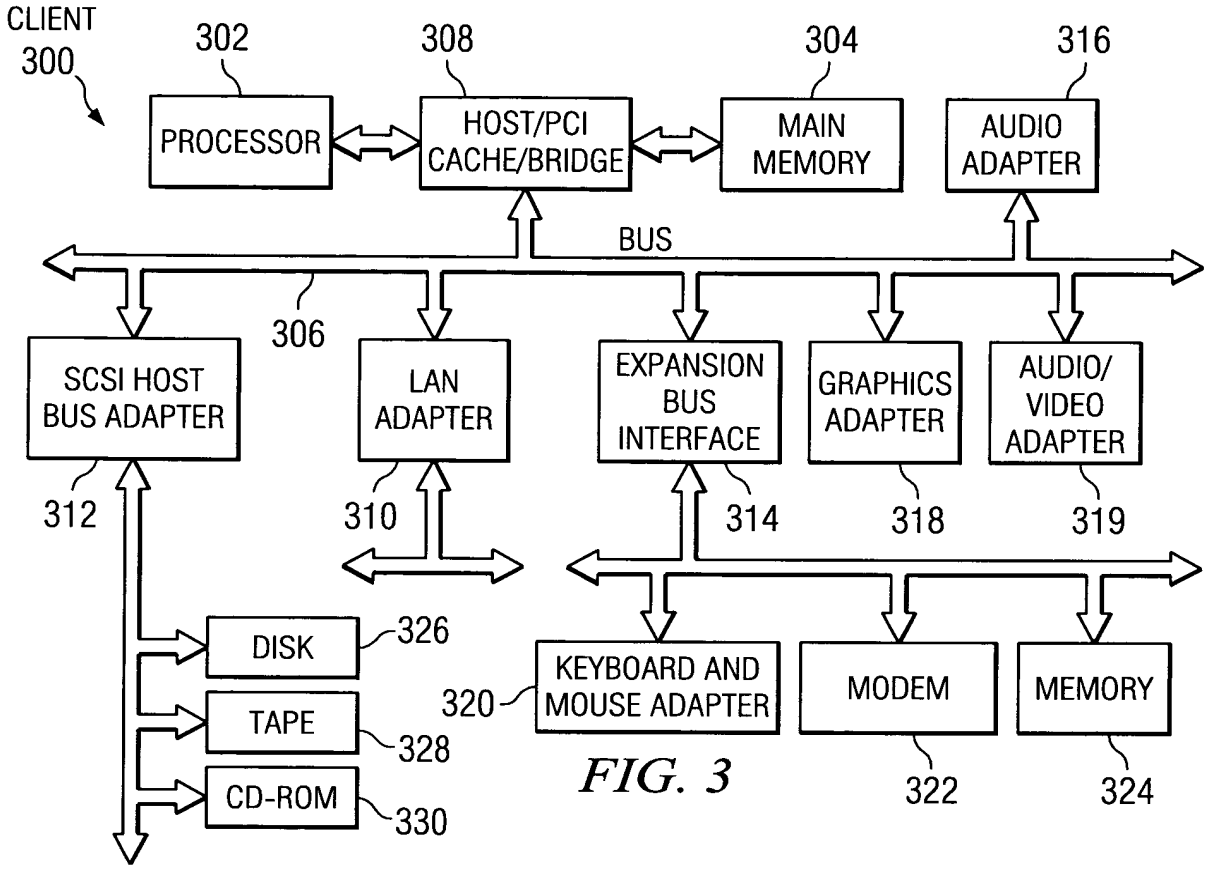

CLIENT
300
302
PROCESSOR
308
HOST/PCI CACHE/BRIDGE
304
MAIN MEMORY
316
AUDIO ADAPTER
BUS
306
SCSI HOST BUS ADAPTER
LAN ADAPTER
EXPANSION BUS INTERFACE
GRAPHICS ADAPTER
AUDIO/ VIDEO ADAPTER
312
310
314
318
319
DISK
326
TAPE
328
CD-ROM
330
320
KEYBOARD AND MOUSE ADAPTER
MODEM
MEMORY
322
324

FIG. 3

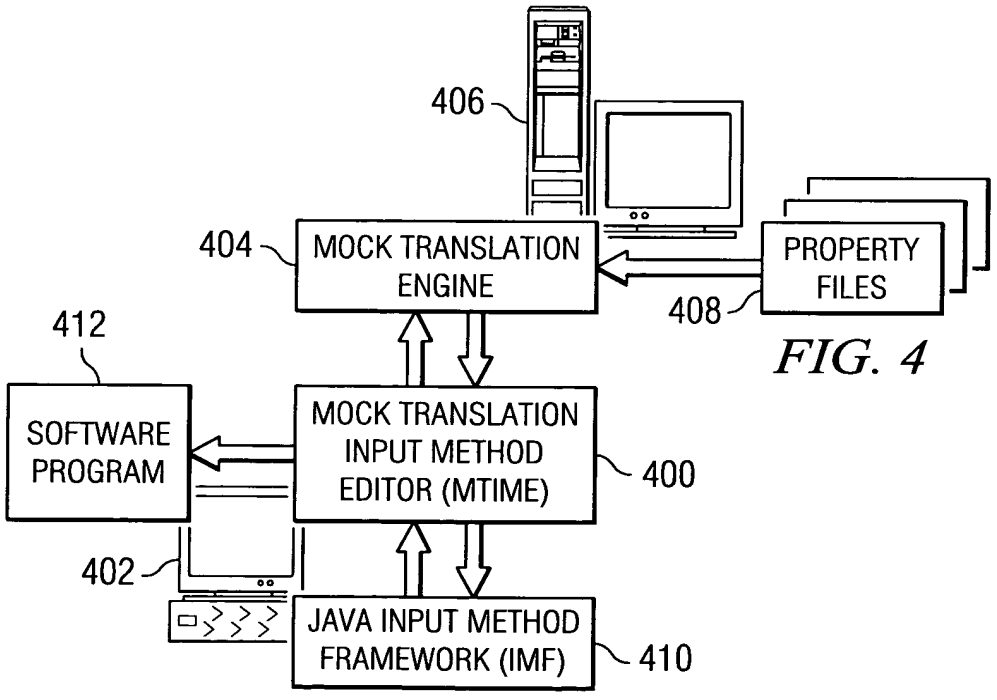

406
404
MOCK TRANSLATION ENGINE
PROPERTY FILES
408
412
SOFTWARE PROGRAM
MOCK TRANSLATION INPUT METHOD EDITOR (MTIME)
400
402
JAVA INPUT METHOD FRAMEWORK (IMF)
410

FIG. 4

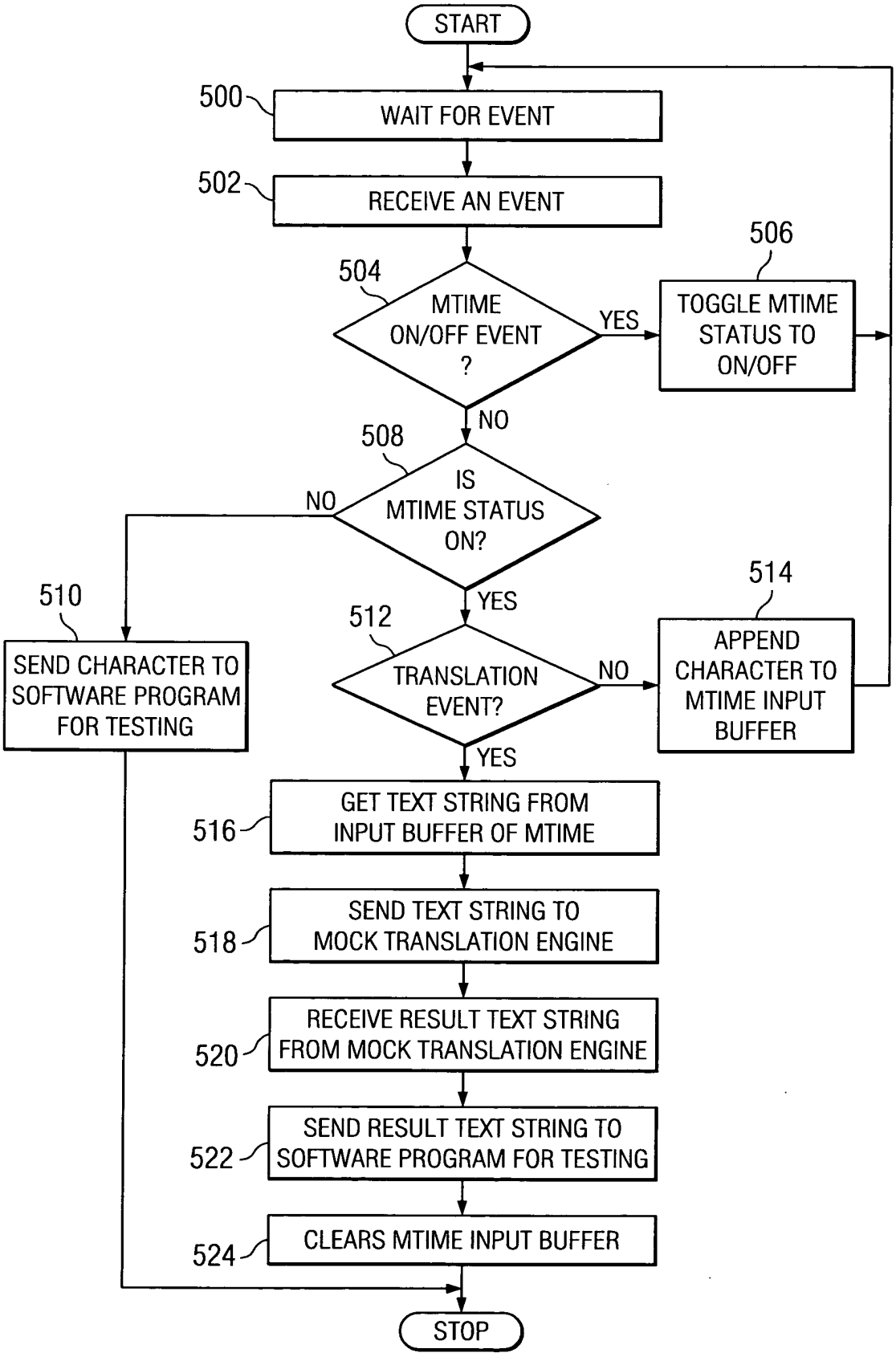

START
500
WAIT FOR EVENT
502
RECEIVE AN EVENT
504
MTIME ON/OFF EVENT ?
YES
506
TOGGLE MTIME STATUS TO ON/OFF
NO
508
IS MTIME STATUS ON?
NO
510
SEND CHARACTER TO SOFTWARE PROGRAM FOR TESTING
YES
512
TRANSLATION EVENT?
NO
514
APPEND CHARACTER TO MTIME INPUT BUFFER
YES
516
GET TEXT STRING FROM INPUT BUFFER OF MTIME
518
SEND TEXT STRING TO MOCK TRANSLATION ENGINE
520
RECEIVE RESULT TEXT STRING FROM MOCK TRANSLATION ENGINE
522
SEND RESULT TEXT STRING TO SOFTWARE PROGRAM FOR TESTING
524
CLEARS MTIME INPUT BUFFER
STOP

FIG. 5

FIG. 6

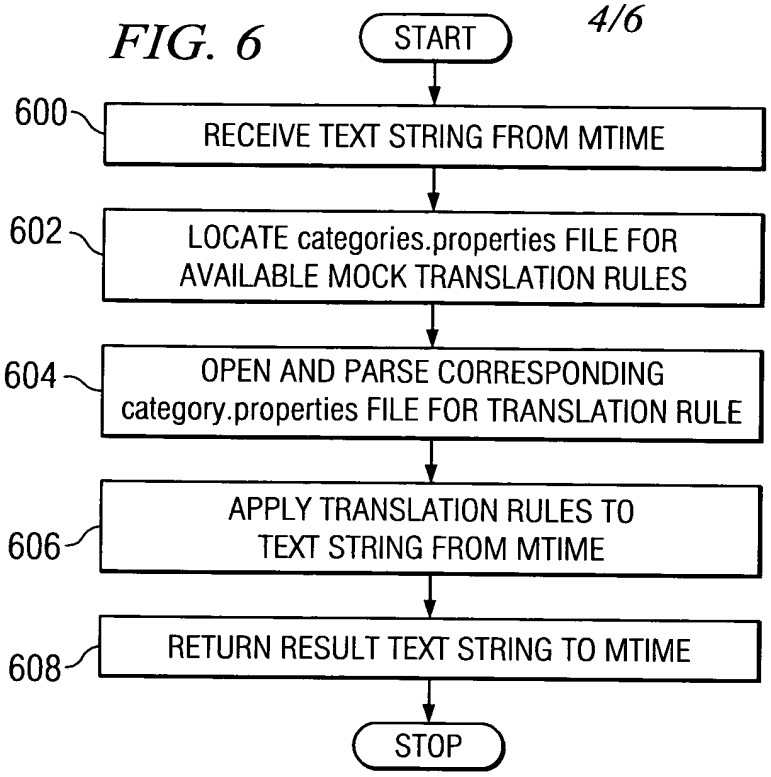
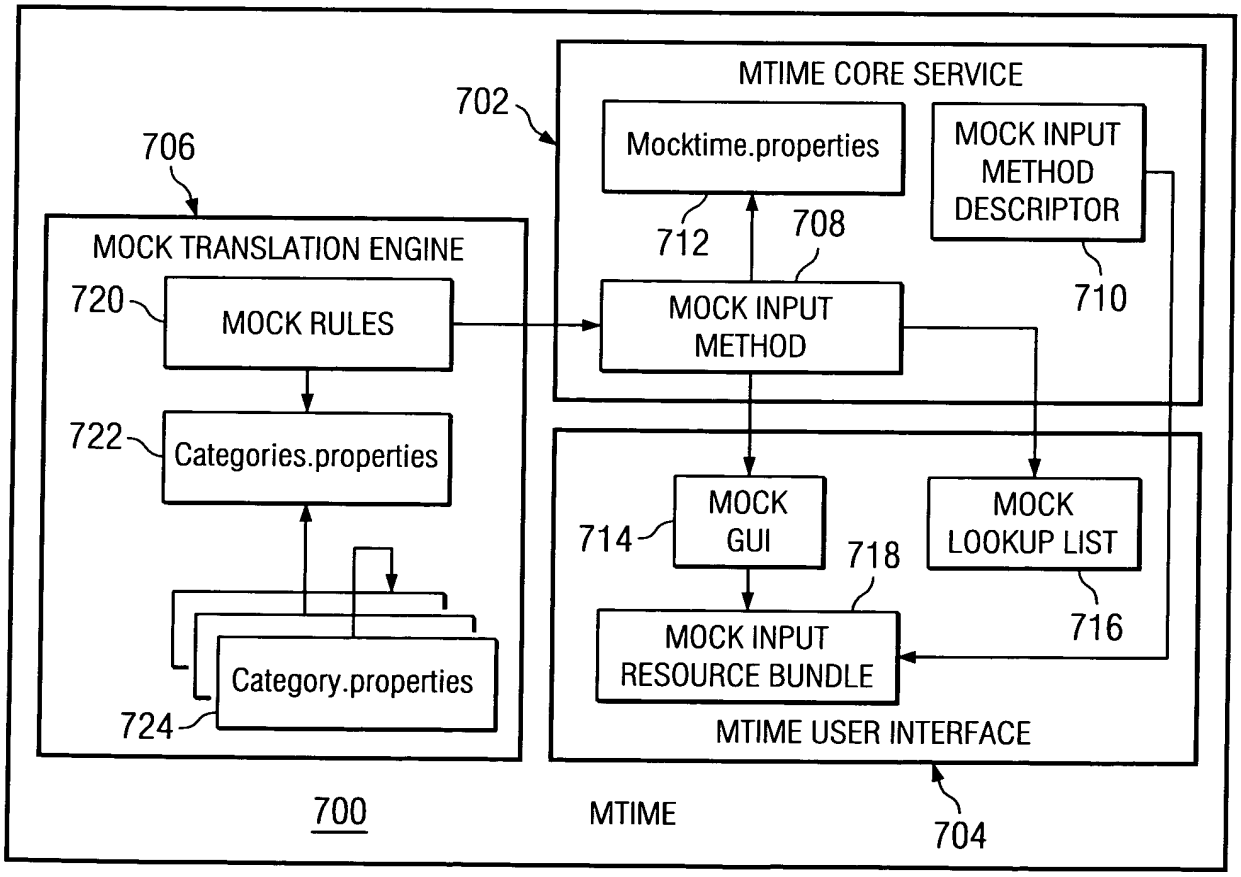

START
600
RECEIVE TEXT STRING FROM MTIME
602
LOCATE categories.properties FILE FOR AVAILABLE MOCK TRANSLATION RULES
604
OPEN AND PARSE CORRESPONDING category.properties FILE FOR TRANSLATION RULE
606
APPLY TRANSLATION RULES TO TEXT STRING FROM MTIME
608
RETURN RESULT TEXT STRING TO MTIME
STOP

FIG. 7


MTIME CORE SERVICE
702
Mocktime.properties
MOCK INPUT METHOD DESCRIPTOR
712
708
710
706
MOCK TRANSLATION ENGINE
720
MOCK RULES
MOCK INPUT METHOD
722
Categories.properties
MOCK GUI
MOCK LOOKUP LIST
714
718
716
MOCK INPUT RESOURCE BUNDLE
Category.properties
724
MTIME USER INTERFACE
700
MTIME
704

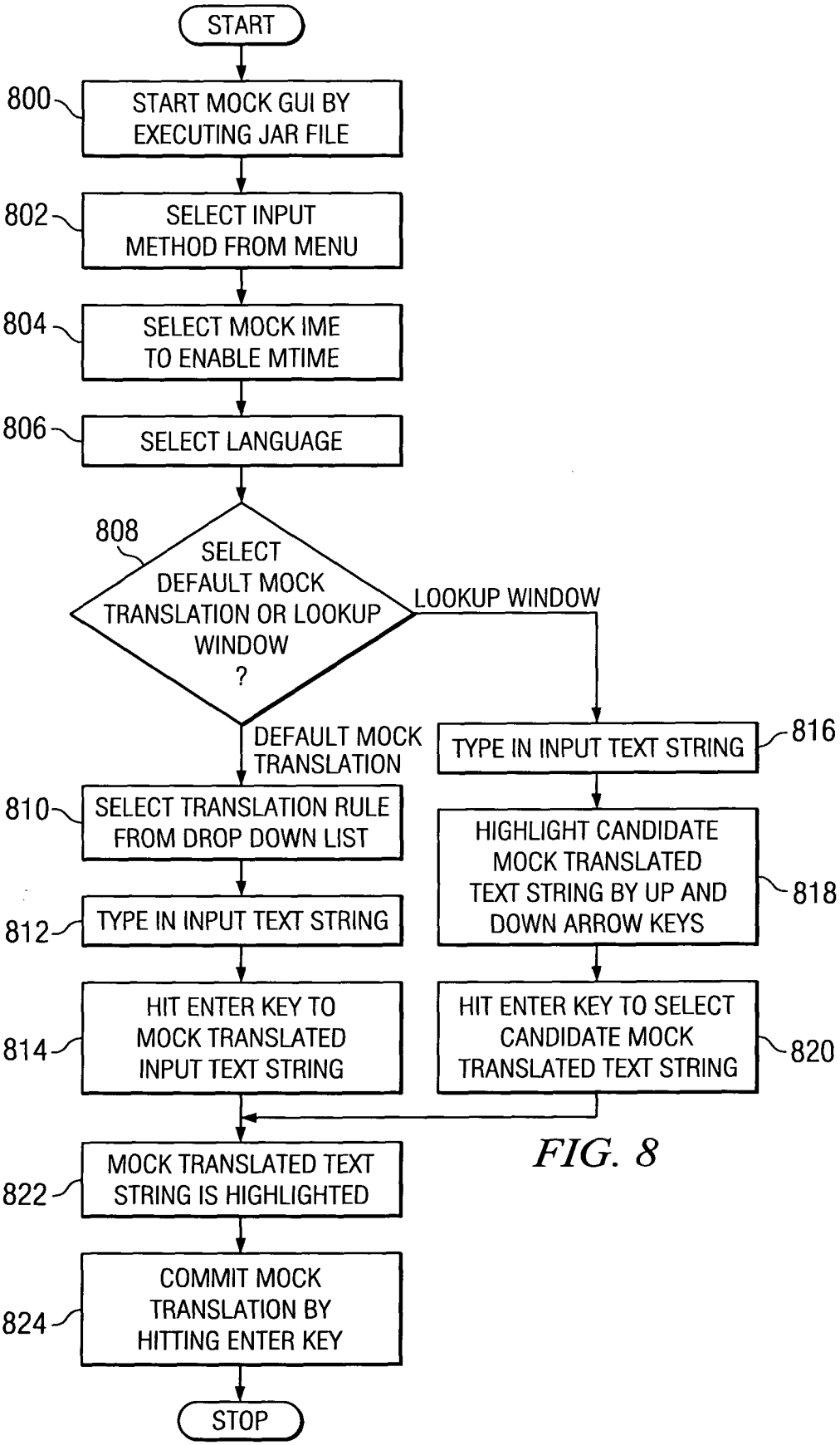

START
800
START MOCK GUI BY EXECUTING JAR FILE
802
SELECT INPUT METHOD FROM MENU
804
SELECT MOCK IME TO ENABLE MTIME
806
SELECT LANGUAGE
808
SELECT DEFAULT MOCK TRANSLATION OR LOOKUP WINDOW ?
LOOKUP WINDOW
DEFAULT MOCK TRANSLATION
810
SELECT TRANSLATION RULE FROM DROP DOWN LIST
812
TYPE IN INPUT TEXT STRING
814
HIT ENTER KEY TO MOCK TRANSLATED INPUT TEXT STRING
816
TYPE IN INPUT TEXT STRING
818
HIGHLIGHT CANDIDATE MOCK TRANSLATED TEXT STRING BY UP AND DOWN ARROW KEYS
820
HIT ENTER KEY TO SELECT CANDIDATE MOCK TRANSLATED TEXT STRING
822
MOCK TRANSLATED TEXT STRING IS HIGHLIGHTED
824
COMMIT MOCK TRANSLATION BY HITTING ENTER KEY
STOP

FIG. 8

FIG. 9

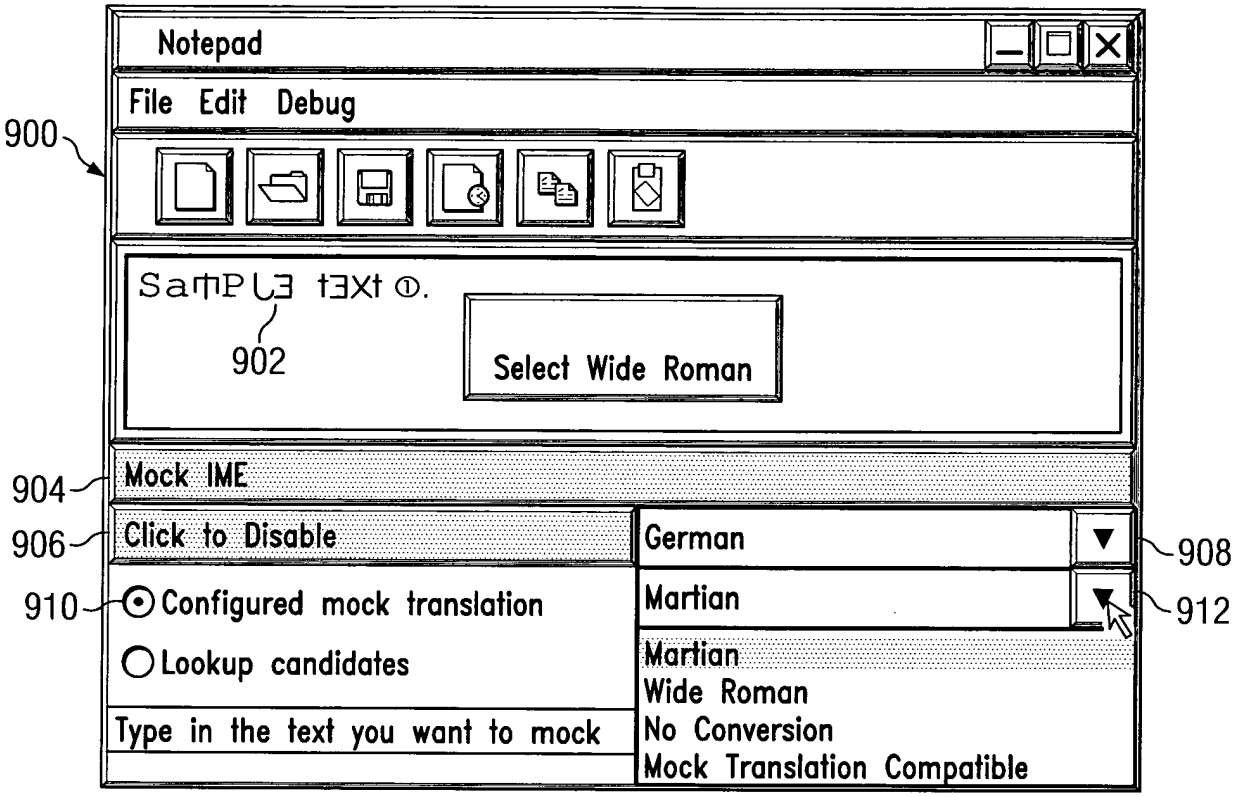
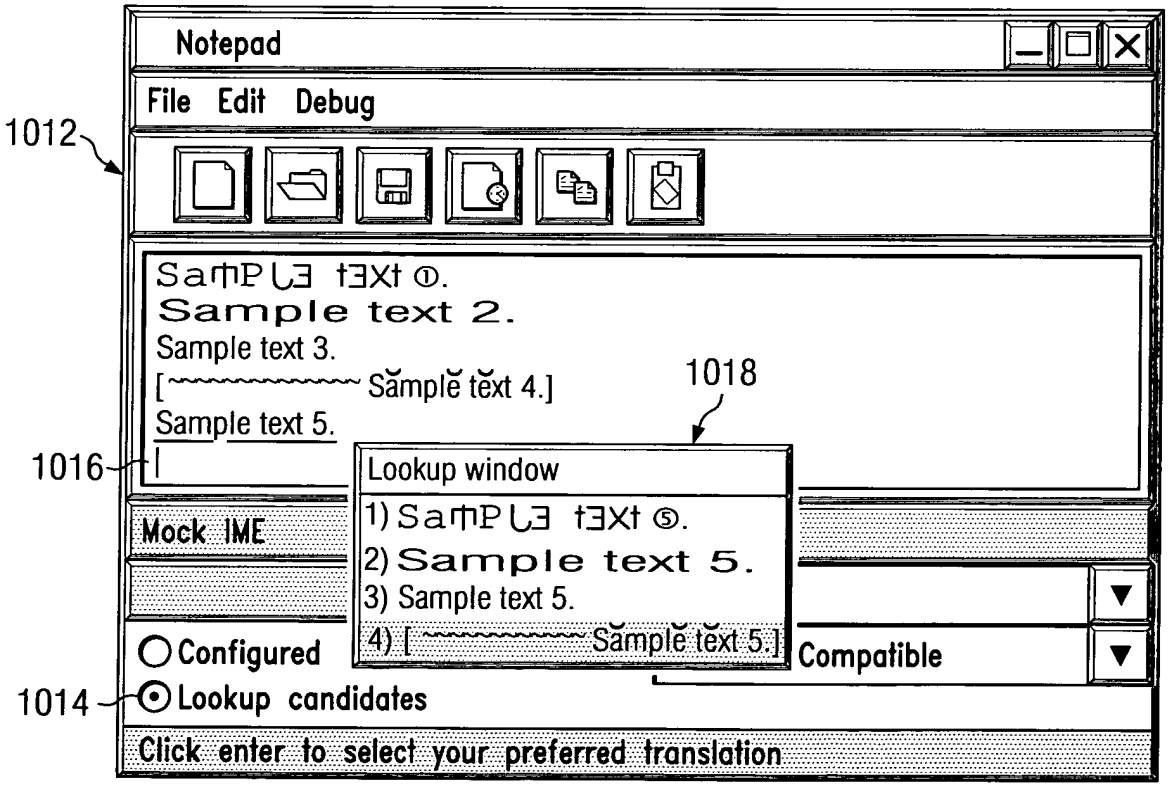

Notepad
File Edit Debug
900
SaMPLE tEXt ①.
902
Select Wide Roman
Mock IME
904
Click to Disable
906
German
908
910
Configured mock translation
Martian
912
Lookup candidates
Martian
Wide Roman
No Conversion
Mock Translation Compatible
Type in the text you want to mock

FIG. 10


Notepad
File Edit Debug
1012
SaMPLE tEXt ①.
Sample text 2.
Sample text 3.
[~~~~~~~~~~~~ Sample text 4.]
1018
Sample text 5.
1016
Lookup window
1) SaMPLE tEXt ⑤.
2) Sample text 5.
3) Sample text 5.
4) [~~~~~~~~~~~~ Sample text 5.]
Mock IME
Configured
Compatible
1014
Lookup candidates
Click enter to select your preferred translation